This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of the claims

1. (currently amended) An implantable prosthesis, comprising:

(a) a prosthetic component having first and second surfaces, wherein the second

surface adapted to be is oriented toward a bone in which the component is to be implanted;

(b) at least one opening extending from the first surface to the second surface; the

opening adapted to receive more than one type of insertion member and comprising (i) an

extended nonthreaded frustoconical taper section extending from the first surface-through a

substantial portion of the opening and (ii) a rounded section at the second surface beginning

at a narrow end of the frustoconical taper section and having a smaller diameter than the

frustoconical taper section portion of the taper at the first surface, wherein the opening

adapted to accommodates an insertion member at multiple orientations relative to the

component; and

(c) an insertion member having a head which includes a rounded.

nonfrustoconical contact surface adapted to that contacts said frustoconical taper section of

said opening when the insertion member is inserted into the opening, the insertion member

adapted to be inserted into the opening such that the contact surface contacts the extended

frustoconical taper section;

whereby the insertion member is adapted to fits in the opening in a substantially fluid

tight relationship, at a plurality of angular orientations between the insertion member and the

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opening, so that and the head of the insertion member does not protrude beyond the first

surface.

2. (currently amended) The implantable prosthesis of claim 1, wherein once the

appropriate orientation of the insertion member is selected, the insertion member is adapted

to be locked locks relative to the frustoconical taper section such that the head of the

insertion member does not protrude beyond the first surface.

3. (currently amended) The implantable prosthesis of claim 1, wherein the rounded

section at the second surface is a flat edge, a chamfered edge, a beveled surface, a curved

surface, a rounded surface, or a spherical surface.

4. (previously presented) The implantable prosthesis of claim 1, wherein the head of the

insertion member comprises an outer edge that is spherical, near-spherical, toroidal,

elliptical, global, slightly curved, or rounded.

5. (original) The implantable prosthesis of claim 1, wherein the insertion member

comprises one or more of a bone screw, a bone peg, a bone spike, or an aperture cover.

6. (previously presented) The implantable prosthesis of claim 1, wherein the contact

surface of the insertion member head is part of a sphere.

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7. (currently amended) The implantable prosthesis of claim 1, wherein the opening has

an inner wall, the head has an outer rim, and wherein the insertion member is adapted to be

inserted into the opening at an angle while maintaining maintains a constant point of contact

between the inner wall and the outer rim when the insertion member is inserted into the

opening at an angle.

8. (original) The implantable prosthesis of claim 1, wherein the prosthesis comprises a

hip replacement system and wherein the first and second surfaces are surfaces of an

acetabular cup.

9. (canceled)

10. (previously presented) The implantable prosthesis of claim 1, wherein the opening is

a universal-type opening and wherein the insertion member comprises any one of bone

screw, a bone peg, a bone spike, or an aperture cover, wherein any one of the bone screw, a

bone peg, a bone spike, or an aperture cover comprises a universal-type contact surface that

corresponds to the universal-type opening.

11. (canceled)

12. (canceled)

13. (currently amended) An acetabular implant for fixation to a patient, comprising:

(a) an acetabular cup having an inner surface, an outer surface, and at least one

opening extending from the inner surface to the outer surface, wherein the outer surface

adapted to be is oriented toward a bone in which the component is to be implanted;

(b) the at least one opening having an extended nonthreaded frustoconical tapered

section beginning at the inner surface that extends through a substantial portion of the

opening; and

(c) an insertion member for insertion into the opening, the member comprising a

head, which includes a rounded, nonfrustoconical contact surface adapted to that contacts

said frustoconical tapered section of said opening, the insertion member adapted to be

inserted into the opening whereby the contact surface contacts the extended frustoconical

tapered section;

wherein the at least one opening is adapted to accommodates more than one type of

insertion member, and

whereby the insertion member is adapted to fits in the opening in a substantially fluid

tight relationship, at a plurality of angular orientations between the insertion member and the

opening, so that and the head of the insertion member does not protrude beyond the inner

surface of the cup.

14. (currently amended) The acetabular implant of claim 13, wherein once the

appropriate orientation of the insertion member is selected, the insertion member is adapted

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to be locked locks relative to the frustoconical taper section such that the head of the

insertion member does not protrude beyond the inner surface.

The acetabular implant of claim 13, wherein the head 15. (previously presented)

comprises an outer edge that is spherical, near-spherical, toroidal, elliptical, global, slightly

curved, or rounded.

(currently amended) The acetabular implant of claim 13, wherein the opening has an 16.

inner wall, the head has an outer rim, and wherein the insertion member is adapted to be

inserted into the opening at an angle while maintaining maintains a constant point of contact

between the inner wall and the outer rim when the insertion member is inserted into the

opening at an angle.

17. (previously presented) The acetabular implant of claim 13 further comprising a

femoral stem and a cup liner.

18. (original) The acetabular implant of claim 13, wherein the insertion member

comprises a bone screw, a bone peg, a bone spike, or an opening cover.

19. (canceled)

20. (canceled)

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- 21. (canceled)
- 22. (canceled)
- 23. (canceled)
- 24. (canceled)
- 25. (currently amended) An acetabular implant for fixation to a patient, comprising:
- (a) an acetabular cup having an inner surface, an outer surface, and at least one opening extending from the inner surface to the outer surface,
- (b) the at least one opening having an extended nonthreaded frustoconical tapered section beginning at the inner surface extending though a substantial portion of the opening and a second rounded section at the outer surface beginning at a narrow end of the frustoconical taper section and having a diameter smaller than the diameter of the opening at the inner surface:
- (c) an insertion member for insertion into the opening, the insertion member comprising a head, which includes a rounded, nonfrustoconical contact surface adapted to that contacts said frustoconical tapered section of said opening, the insertion member adapted to be inserted into the opening such that the contact surface contacts the extended frustoconical tapered section when the insertion member is inserted into the opening;

wherein the at least one opening is adapted to accommodates more than one type of

insertion member; and

whereby the insertion member is adapted to fits in the opening in a substantially fluid

tight relationship, at a plurality of angular orientations between the insertion member and the

opening, so that the head of the insertion member does not protrude beyond the inner surface

of the cup.

26. (original) The acetabular cup of claim 25, further comprising:

(d) a liner for lining the inner surface of the acetabular cup; and

(e) a femoral component for insertion into a patient's femur and adapted to that

cooperates with the acetabular cup and liner.

27. (currently amended) A method of replacing at least part of a hip joint in a patient,

comprising:

(a) providing an acetabular implant for fixation to a patient, comprising:

(1) an acetabular cup having an inner surface, an outer surface, and at least

one opening extending from the inner surface to the outer surface;

(2) the at least one opening having an extended nonthreaded frustoconical

tapered section beginning at the inner surface extending through a substantial portion of the

opening and a second-rounded section at the outer surface-beginning at a narrow end of the

frustoconical taper section and having a diameter smaller than the diameter of the opening at

the inner surface;

(3) an insertion member for insertion into the opening, the insertion

member comprising a head which includes a rounded, nonfrustoconical contact surface

adapted to that contacts said frustoconical tapered section of said opening when the insertion

member is inserted into the opening, the insertion member adapted to be inserted into the

opening such that the contact surface contacts the extended frustoconical tapered section;

wherein the at least one opening is adapted to accommodates more than one type of

insertion member; and

whereby the insertion member is adapted to fits in the opening in a substantially fluid

tight relationship, at a plurality of angular orientations between the insertion member and the

opening, so that and the head of the insertion member does not protrude beyond the inner

surface of the cup;

(b) preparing the bone of the patient's hip to receive the acetabular implant; and

(c) implanting the acetabular implant.

28. (canceled)

29. (original) The method of claim 27, further comprising providing an acetabular cup

liner and positioning the acetabular cup liner in the acetabular cup.

30. (previously presented) The method of claim 27, further comprising providing a

femoral prosthesis and positioning the femoral prosthesis in a patient's femur, such that the

femoral prosthesis can cooperate with the acetabular implant.

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31. (currently amended) The method of claim 27, wherein once the appropriate

orientation of the insertion member is selected, the insertion member is adapted to be locked

<u>locks</u> relative to the frustoconical taper section such that the head of the insertion member

does not protrude beyond the first surface.

32. (currently amended) The method of claim 27, wherein the rounded section at the

second surface is a flat edge, a chamfered edge, a beveled surface, a curved surface, a

rounded surface, or a spherical surface.

33. (previously presented) The method of claim 27, wherein the head comprises an outer

edge that is spherical, near-spherical, toroidal, elliptical, global, slightly curved, or rounded.

34. (original) The method of claim 27, wherein the insertion member comprises one or

more of a bone screw, a bone peg, a bone spike, or an aperture cover.

35. (previously presented) The method of claim 27, wherein the contact surface of the

insertion member head comprises part of a sphere.

36. (currently amended) The method of claim 27, wherein the opening has an inner wall,

the head has an outer rim, and wherein the insertion member is adapted to be inserted into the

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opening at an angle while maintaining a constant point contact between the inner wall and

the outer rim.

37. (previously presented) The method of claim 27, wherein the interface between the

contact surface of the head and the extended taper section comprises a liquid-tight seal.

38. (previously presented) The method of claim 27, wherein the opening is a universal-

type opening and wherein the insertion member comprises any one of bone screw, a bone

peg, a bone spike, or an aperture cover, wherein any one of the bone screw, a bone peg, a

bone spike, or an aperture cover comprises a universal-type head that corresponds to the

universal-type opening.